OSVATH, Laszlo

The "R-26" double-control metal training glider. Repules 14 no.6:10-11 Je '61.

OSVATH, Laszlo

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OSVATH, Laszlo

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OSVATH, Laszlo

Over 40. Repules 15 no.11:12-13 N '62.

SZILAGYI Janos, dr.; DELI, Laszlo, dr.; OSVATH, Sandor, dr.; KANTOR, Erzsebet, dr.; SIMAY, Attila, dr.

Pathophysiology and clinical picture of chronic cardiorespiratory insufficiency. Orv. hetil. 106 no.20:921-925 16 My'65.

1. Debreceni Orvostudomanyi Egyetem, Tbc Klinika (mb. igazgato: Pongor, Ferenc, dr.) ; II. Belgyogyaszati Klinika (igazgato: Petranyi, Gyula, dr.), Rtg. Klinika (mb. igazgato: Jona, Gabor, dr.).

KASZA, Lajos, dr.; OSVATH, Sandor, dr.

Kartagener syndrome. Tuberkulozis 15 no.5:146-147 My '62.

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(KARTAGENER TRIAD case reports)

CZIKAJLO, Gyula, dr.,; OSVATH, Pal.

Effect of digitalis and of circulation rate on absolute eosinophil count. Orv. hetil. 96 no.5:121-123 30 Jan 55.

1. Fejermegyei Tanacs Korhaza (igazgato: Benedek Elek dr.) Belgyogyaszat osztalyanak (foorvos: Szasz Gyorgy dr.) Szivgondozo allomasanak (vezeto: Czikajlo Gyula dr.) es Laboratoriumanak (foorvos: Sulyok Denes dr.) kozlemenye

(EOSINOPHIL COUNT,
eff. of digitalis & circ. rate)
(DIGITALIS, effects,
on eosinophil count)
(BLOOD CIRCULATION
rate, eff. on digitalis)

CZIKAJLO, Gyula, dr.; OSVATH, Pal

Effect of digitalis on serum thrombin inactivating capacity.
Magy. belorv. arch. 8 no.4:122-125 Aug 55.

1. Fejermegyei Tanacs Korhaz (Igazgato: Benedek, Elek dr.)
Belgyogyaszati Osztalyanak (foorvos: szasz, Gyorgy dr.)
Szivgondozo allomasanak (vezeto Czikajlo, Gyula dr.) es
Laboratoriumanak (foorvos: Sulyok, Denes dr.) kozlemenye.
(DIGITALIS, effects,
on thrombin in blood serum.)
(THROMBIN
eff. of digitalis.)

OSVATH, Pal

A case of severe acute immune-hemolytic anemia. Gyermekgyogyaszat 10 no.2:55-62 Feb 59.

1. A Laszlo korhaz I. Gyermekosztalyanak kozlemenye. (Foorvos: Ferencz Pal dr.)
(ANEMIA, HEMOLYTIC, case reports
Lederer's (Hun))

FERENCZ, Pal; BODA, Domokos; GALAMBOS, Marton; OSVATH, Pal

The brouble liquid equilibrium following endotoxin intake in animal experiment and analogous clinical phenomenona. Biol orv kozl MTA 11 no.1:95-101 '60. (EEAI 10:1)

1. Fovaros Laszlo-korhaza
(BODY FLUIDS) (TOXINS AND ANTITOXINS)

VIGH, Gyula, dr.; OSVATH, Pal, dr.; CSAPO, Jozsef, dr.

Current clinical problems in diphtheria. Orv. hetil. 102 no.49:2316-2320 3 D '61.

1. Laszlo-korhaz, VI es I Gyermekosztaly, Budapest.

(DIPHTHERIA)

[illegible], Peter; [illegible] [illegible], [illegible]; [illegible], Bela; Laszlo Hospital, BACKHAUS, [illegible], Institute for [illegible] Production and Research 'Human' (director: [illegible], [illegible], Gyula, BO[illegible], Szilard; Laszlo Hospital (director: [illegible]) [original language versions not given].

"Immunofluorescence and Passive Hemagglutination in Infantile Enterocolitis."

Budapest, Acta Microbiologica Academiae Scientiarum Hungaricae, Vol X, No 1, 1963, pages 1-[illegible].

Abstract: [English article, [illegible] English summary] In order to detect Shigella excreters, [illegible] hospitalized children, 1-14 years of age have been examined. Feces and rectal samples were tested by cultural, immunofluorescent and passive hemagglutination methods. Shigellae were cultured in [illegible] per cent of the rectal samples taken on the day of admission, but only [illegible] per cent of the feces obtained the following day were positive. Cultural and immunofluorescent methods were compared in 15[illegible] cases. Shigellae were detected three-times more frequently by the latter than by culturing. The combination of the three methods gave positive results in 50.6 per cent of the cases. The rise in the passive hemagglutination titre in 18 paired sera confirmed the positive results of the former methods. Rising titres were observed also in some patients who yielded no evidence of Shigella infection by any other testing methods in spite of bloody and mucous stool excretion. 1 Hungarian 15 Western references.

1/1

VOLTAY, Bela, dr.; BARTOK, Bela, dr., OSVATH, Pal, dr.

Data on the modern treatment of exudative pleurisy.
Gyermekgyogyaszat 14 no. 7:208-214 Jl '63.

(PLEURISY) (STAPHYLOCOCCAL INFECTIONS, RESPIRATORY)
(PENICILLIN) (EMPYEMA)

HUNGARY

..., PACARAU..., Richard, ... Dr; Capital City Council, ... Health Institute and Human ... Fovarosi Tanacs, Laszlo Kornar, ... Oltoanyagtermelo es ...

"Immun... Tests in Cases of Enterocolitis..."

Budapest, ..., pages ...

Abstract: ... Shigella excretion of children ... bacterial cultures of sample ... microscopic examination of fecal ... combine with the specific immun... twice as frequent positive results ... The Shigella antibody titer was ... all diagnostic tests were negative. In ... mucous diarrhea of children should ... regardless of the bacterio-

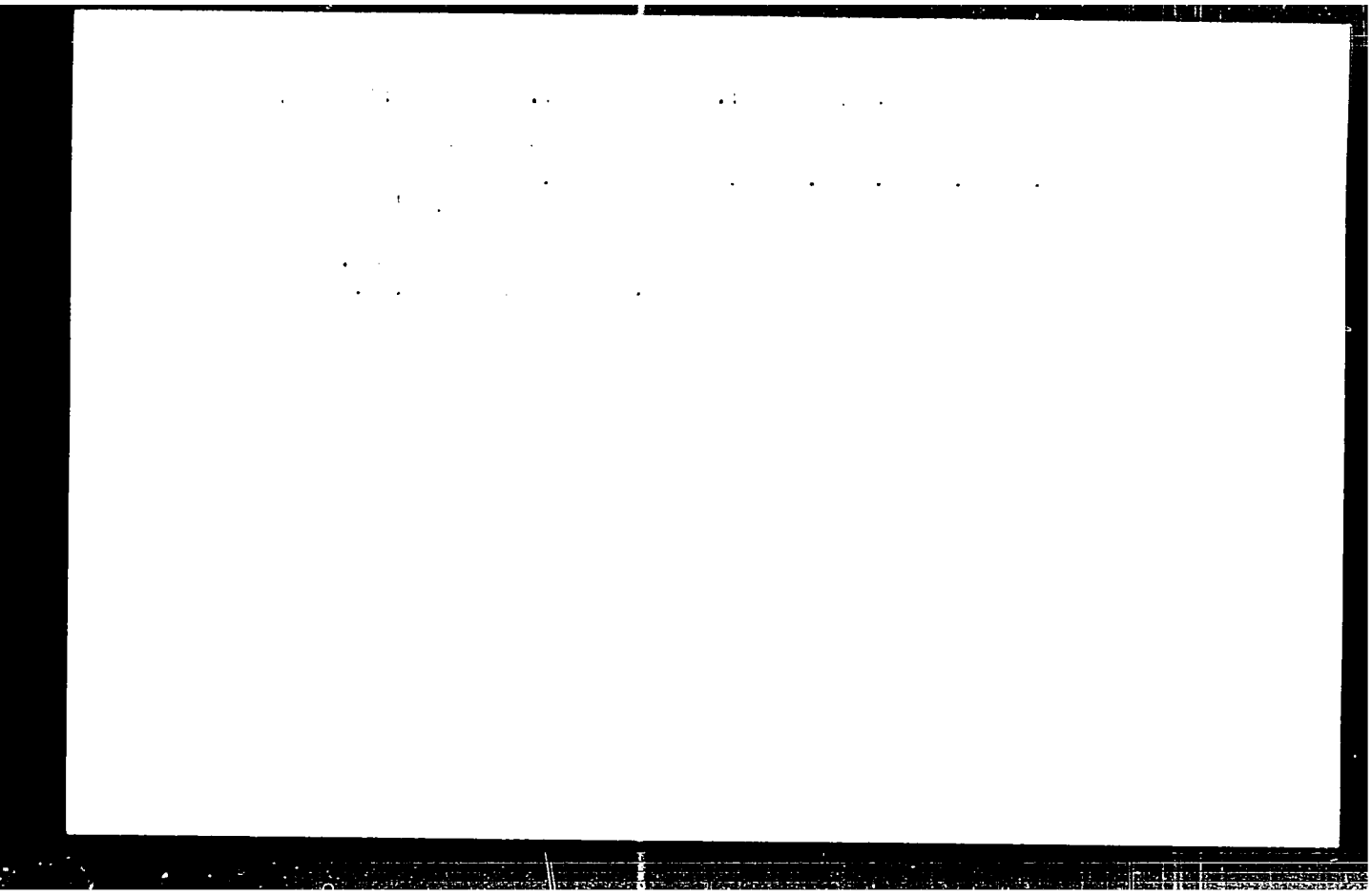
1/2

[illegible]

[illegible], pages [illegible].

[illegible] only mucus present in the stool, [illegible] fluorescence method. A positive test [illegible] results do not necessarily exclude the pre[illegible] European, 15 Western references.

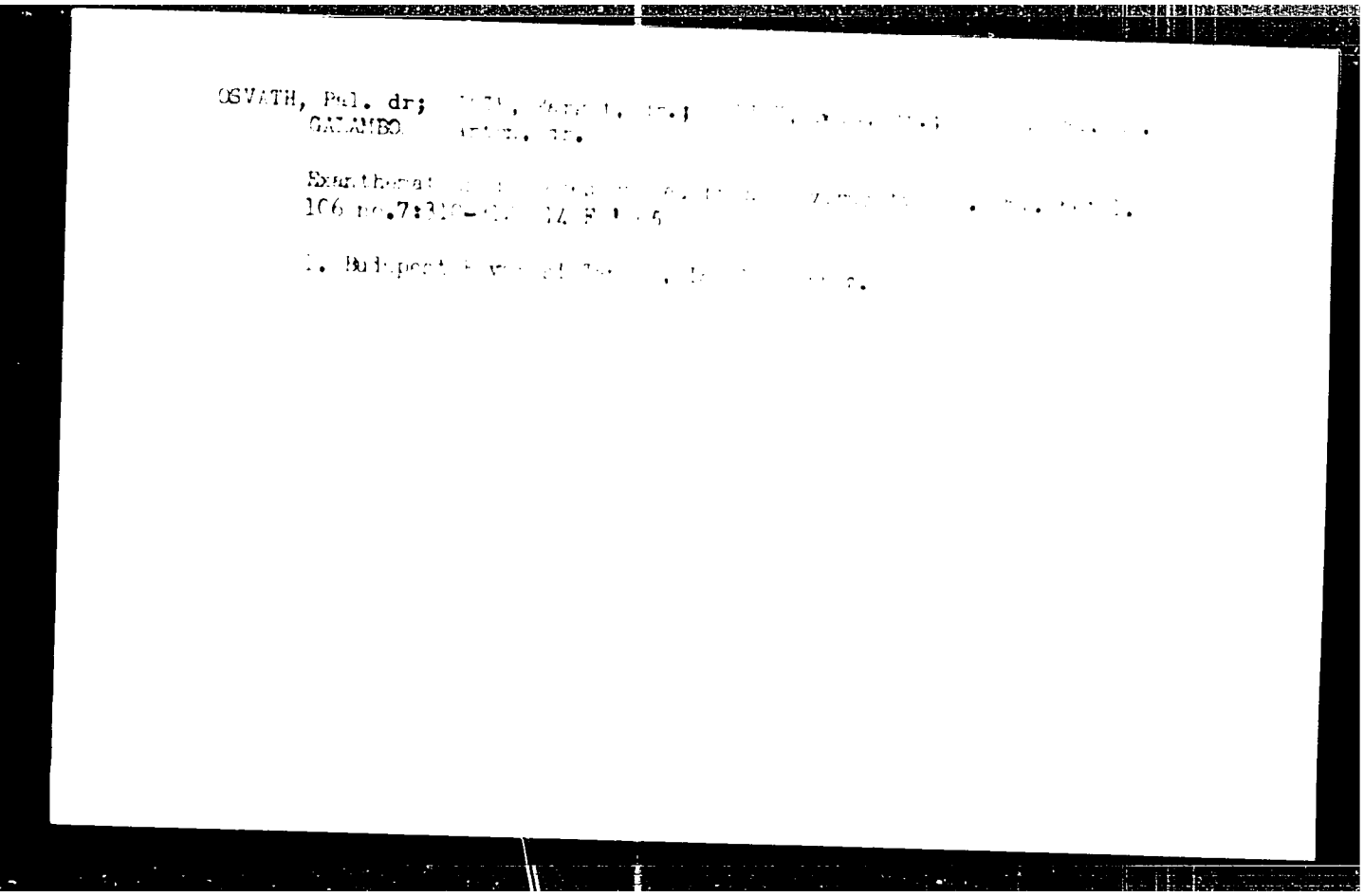
2/2



TOTH, M.; OSVATH, P.

Adenovirus type 7 outbreak in a kindergarten. Acta mikrobiol. acad. sci. Hung. 12 no.1:39-43 '65.

1. "Laszlo" Central Hospital for Infectious Diseases (Director: J. Roman), Budapest.



OSVATH, Pal. dr; [illegible]
GALAMBO [illegible]

[illegible]
106 no.7:[illegible]

1. Budapest [illegible]

HUNGARY

GOVATH, Pal, Dr; Medical University of Szeged, Pediatric Clinic (Director: BODA, Domokos, Dr) (Szegedi Orvostudomanyi Egyetem, Gyermekklinika).

"Tetracycline-resistant Pneumococcal Infections."

Budapest, Orvosi Hetilap, Vol 107, No 43, 23 Oct 66, pp 2031-2035.

Abstract: [Author's Hungarian summary] In Feb 1965, tetracycline-resistant pneumococcus was found in the culture of the nasal secretion of four patients at the Pediatric Clinic in Szeged. All four children received Tetran or Sigmamycin treatment for 3-5 days previously for the treatment of otitis, pseudocroup, pneumonia and pleuritis. The appearance of infection from the resistant pneumococcus was accompanied by pneumonia in the first two cases and by the delay in recovery in the other two cases. In one case, the resistant pneumococcus was cultured from the nasal and throat samples of an infant with extremely severe, life-threatening pneumonia. The pathogenic role of pneumococci is made probable also by the fact that a change from tetracycline to erythromycin resulted in rapid improvement in every case. 6 Hungarian, 7 Western references.

1/1

MESZAROS, Lajos, dr.; KOVESDI, Jozsef, dr ; MOLNAR, Borbala, dr.; OSVATH, Sandor, dr.

Experience with "Rheosolon" in patients with pulmonary tuberculosis. Tuberkulozis 15 no.6:187-18 Je '62.

1. A Debreceni Orvostudomanyi Egyetem Tbc Klinikajanak (mb. igazgato: Pongor Ferenc dr.) kozlemenye.

(TUBERCULOSIS PULMONARY ther) (PREDNISOLONE ther)
(PHENYLBUTAZONE ther)

OSVATH, Sandor, dr.; BANHIDI, Endre, dr.; MARCZ, Istvan

Significance of fibrinogen and hexosamine determination in blood in the differential diagnosis of pulmonary diseases. Tuberkulozis 15 no.11:345-350 N '62.

1. A debreceni Orvostudomanyi Egyetem Tbc Klinikajanak (mb. igazgato: Pongor Ferenc dr.) kozlemenye.

(TUBERCULOSIS, PULMONARY) (LUNG DISEASES) (LUNG NEOPLASMS)
(HEXOSAMINES) (FIBRINOGEN)

MESZAROS, Lajos, dr.; KOVACS, ... ; TOLNAI, Barbara, dr.; OSVAT, Sandor, dr.

Experience with "...." in patients with pulmonary tuberculosis. Tuberkulozis 15 no 6: ... Je '62.

1. A Debreceni Orvostudomanyi Egyetem Tbc Klinikajanak (mb. igazgato: Pongor Ferenc dr.) kozlemenye.
(TUBERCULOSIS PULMONARY ther) (PREDNISOLONE ther)
(PHENYLBUTAZONE ther)

OSVATH, Sandor, dr.; SCHRADI, Antal, dr.

Lymphoid leukemia associated with pulmonary tuberculosis. Tuberkulozis 14 no.6:184-185 Je '61.

1. A Debreceni Orvostudomanyi Egyetem Tbc Klinikajanak (igazgato: Pongor Ferenc dr. egyet. docens) kozlemenye.

(TUBERCULOSIS PULMONARY compl)
(LEUKEMIA LYMPHOCYTIC compl)

SZILAGYI, Janos, dr.; [illegible]SVATH, Sandor, dr.; [illegible], Jozsef, dr.

Remote respiratory and circulatory functional status of patients with segmental pulmonary resections. Tuberkulozis 17 no.5:131-136 My '64.

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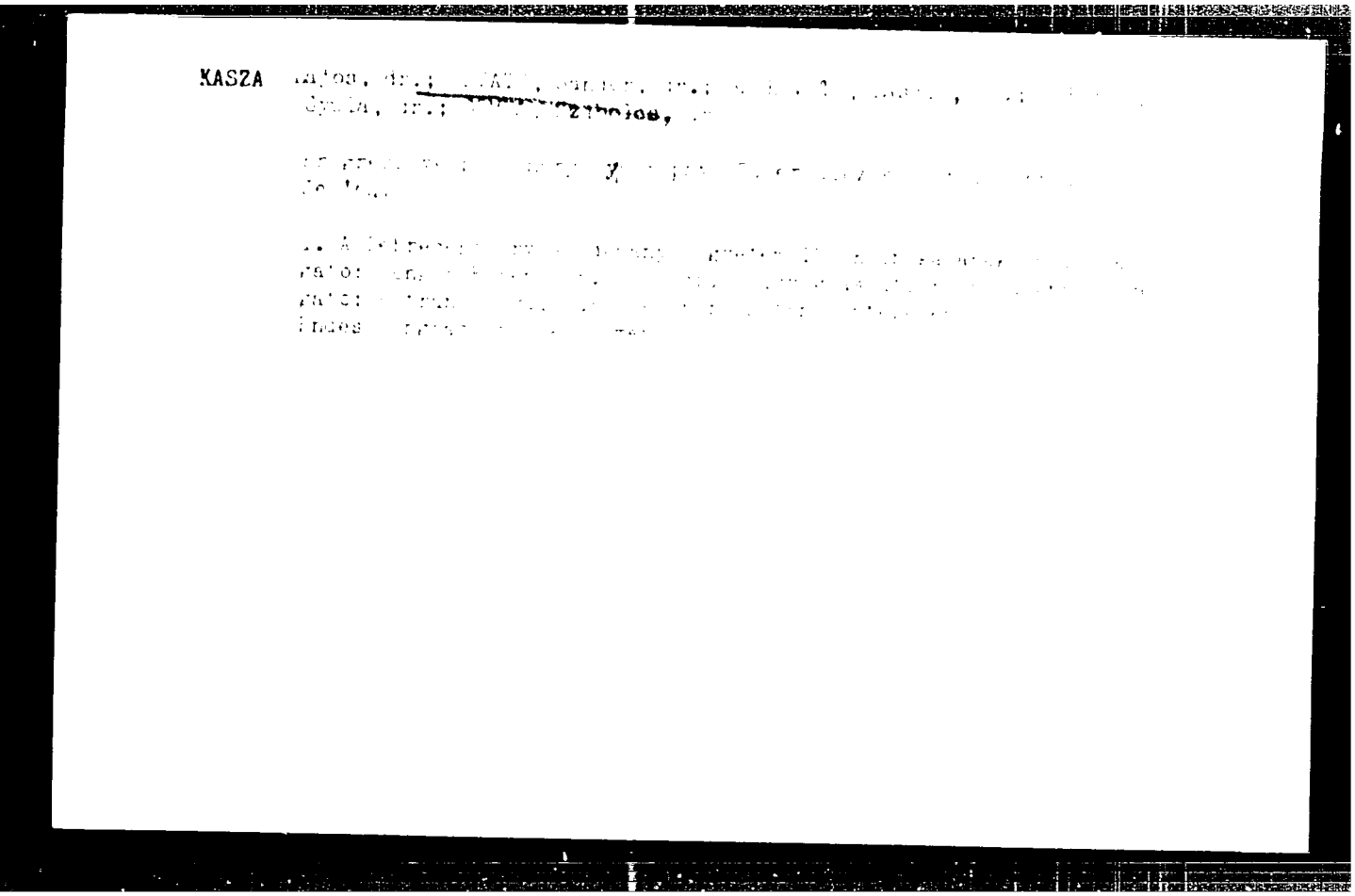
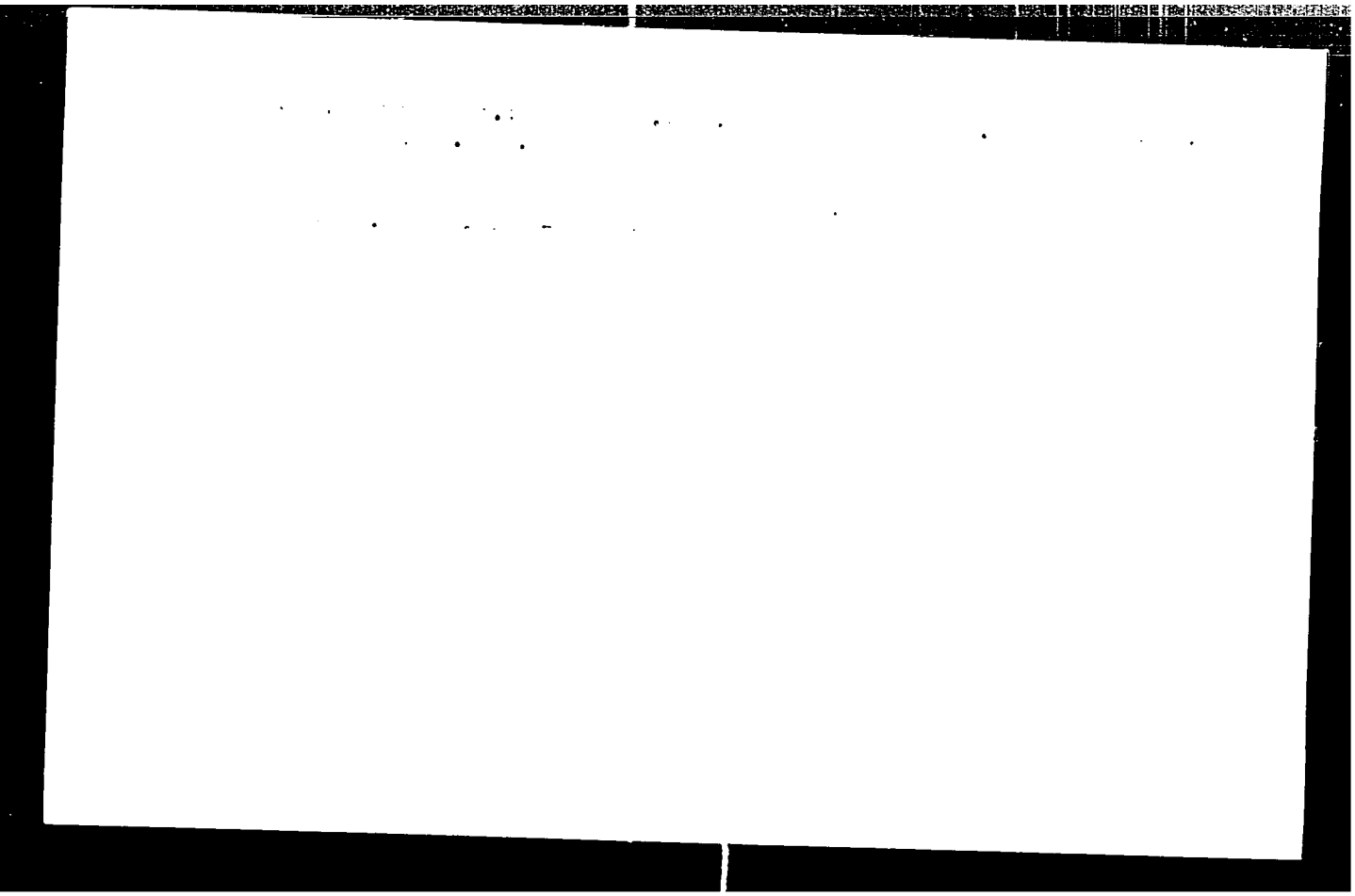


KASZA



BERENYI, D.; OSVAY, M.

Transmission of 100-472 keV monoenergetic electrons through Al absorbers. Acta phys Hung 15 no.4:357-359 '63.

1. Institute for Nuclear Research of the Hungarian Academy of Sciences, Debrecen.

NEBYLOV, Vladimir Matveyevich; BEL'CHUK, G.A., kandidat tekhnicheskikh nauk, redaktor; OSVENSKAYA, A.A., redaktor; DVORAKOVSKAYA, A.A., tekhnicheskiy redaktor.

[Strength of welded seams of ships' hulls] Prochnost' svarnykh shvov korpusa sudna. Pod obshchei red.kand.tekhn.nauk G.A.Bel'chuka. Leningrad, Ges.soiuznoe izd-vo sudostroit.promyshl., 1955. 151 p. (Hulls (Naval architecture)--Welding) (MLRA 9:5)

GORDON, Lev Arkad'yevich; MASLOV,A.I., redaktor; OSVENSKAYA,A.A., redaktor; KAMOLOVA,V.M., tekhnicheskiy redaktor

[Calculation of the displacement and basic dimensions of ships] Raschet vodoizmeshchenila i osnovnykh razmerov korablia. Leningrad, Gos.soiuznoe izd-vo sudostroitel'noi promysh., 1955. 172 p.
(Displacement (Ships)) (MLRA 9:3)

OSVENSKAYA, A. N.

KOROTKIN, Yakov Isayevich; LOKSHIN, Aleksandr Zinov'yevich; SIVERS, Nikolay I'yovich; KURDYUMOV, A.A., redaktor; OSVENSKAYA, A.A., redaktor; KAMOLOVA, V.M., tekhnicheskiy redaktor.

[Bending and resistance of plates and cylindrical shells structural mechanics of ships] Izbig i ustoichivost' plastin i krugovykh tsilindricheskikh obolochek; stroitel'naia mekhanika korablia. Leningrad, Gos.soiuznoe izd-vo sudoistroitel'noi promyshl., 1955. 307 p. (MLRA 8:11)
(Elastic plates and shells)

ZHUCHENKO, Mikhail Melet'yevich; IVANOV, Vasiliy Mikhaylovich; POLYAKHOV, N N., professor, otvetstvennyy redaktor; OSVENSKAYA, A.A., redaktor KAMOLOVA, V.M., tekhnicheskiy redaktor

[Marine engines] Sudovye dvizhiteli. Pod obshchei red. N.N.Poliakhova. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1956. 343 p. (MLRA 10:1)
(Marine engines)

BENUA, Fedor Frantsevich; BOGDANOV, Aleksandr Mikhaylovich; SAGALOVICH, D.N., otvetstvennyy red.; OSVENSKAYA, A.A., red.; DVORAKOVSKAYA, A.A., tekhn.red.

[Electric arc and built-up welding of shafts] Elektrodugovaia svarka i naplavka sudovykh valov. [Leningrad] Gos.soiuznoe izd-vo sudostroit. promyshl., 1957. 229 p. (MIRA 11:1)
(Electric welding) (Shafts and shafting)

OSVENSKAYA, A.A.

SIAL', Aleksandr Iosifovich; FEDOSOV, N.F., otvetstvennyy red.; OSVENSKAYA, A.A., red.; KONTOROVICH, A.I., tekhn.red.

[Applied theory of elasticity] Prikladnaia teoriia uprugosti. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1957. 246 p. (MIRA 11:4)
(Elasticity)

ALEKSANDROV, Aleksandr Vasil'yevich; BOGACHEV, A.I., kand.tekhn. nauk, retsenzent; LOSKUTOV, V.V., kand.tekhn.nauk, retsenzent; EYKHGORN, L.G., nauchnyy red.; OSVENSKAYA, A.A., red. ERASTOVA, N.V., tekhn. red.

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(Marine engineering)

OSVENSKAYA, A.A.

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[Welding in ship-building] Svarka v sudostroenii. Leningrad, Gos.Soiuznoe izd-vo sudoistroit.promyshl.1955. 387 p. (Ships--Welding) (MLRA 8:10)

KURZON, Ananiy Grigor'yevich; VASIL'YEV,V.K., redaktor; OSVENSKAYA,A.A., redaktor; FRUMKIN,P.S., tekhnicheskiy redaktor

[Steam turbine installations for ships; heating layout] Sudovye paroturbinnye ustanovki; teplovye skhemy. Leningrad, Gos.soiuznoe izd-vo sudostroit. promyshl., 1955. 399 p. (MLRA 9:3)
(Steam turbines)

FILIN, A.P., doktor tekhn. nauk, prof.; PILINA, L.I.[translator]; NOVOZHILOV, V.V., retsenzent; OSVENSKAYA, A.A., red.; KONTOROVICH, A.I., tekhn. red.; KRYAKOVA, D.M., tekhn. red.

[Modern methods of calculating composite statically indeterminate systems]Sovremennye metody rascheta slozhnykh staticheski neopredelimykh sistem; sbornik statei. Leningrad, Sudpromgiz, 1961. 875 p. (MIRA 15:12)

1. Chlen-korrespondent Akademii nauk SSSR (for Novozhilov).
(Structures, Theory of)

PETROV, Georgiy L'vovich; BRUK, B.I., kand. tekhn. nauk, retsenzent; TIMOFEYEV, A.N., inzh., retsenzent; DEMYANTSEVICH, V.P., kand. tekhn. nauk, nauchnyy red.; OSVENSKAYA, A.A., red.; KRYAKOVA, D.M., tekhn. red.

[Inhomogeneity of the metal in welded joints]Neodnorodnost' metalla svarnykh soedinenii. Leningrad, Sudpromgiz, 1963. 205 p. (MIRA 16:3)

(Welding—Testing) (Metallography)

VASIL'YEV, V.L.; GOL'DENBERG, A.A.; AVENIROV, S.P., otv. red.;
OSVENSKAYA, A.A., red.; FRUMKIN, P.S., tekhn. red.

[Technical control in shipbuilding] Tekhnicheskii kontrol' v sudostroenii. Leningrad, Sudpromgiz, 1952. 178 p.
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(Shipbuilding)

PERNIK, Aleksandr Davidovich; IVANOV, A.N., kand.tekhn. nauk, retsenzent; RUSETSKIY, A.A., kand. tekhn. nauk, retsenzent; SOLOV'YEV, V.I., otv. red.; OSVENSKAYA, A.A., red.; ERASTOVA, N.V., tekhn. red.

[Problems of cavitation]Problemy kavitatsii. Leningrad, Sudprom-giz, 1963. 334 p. (MIRA 16:3)
(Cavitation)

KURDYUMOV, Aleksandr Aleksandrovich; TSYNDRYA, N.N., otvetstvennyy redaktor; OSVENSKAYA, A.A., redaktor; FRUMKIN, P.S., tekhnicheskiy redaktor

[Stability of ships] Prochnost' korablia. Leningrad, Ges. soiuznoe izd-vo sudostroit. promyshl., 1956. 382 p. (MLRA 10:4)
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KURZON, Ananiy Grigor'yevich,,doktor tekhn.nauk,prof.; VASIL'YEV, V.K.,prof., otv. red.;OSVENSKAYA, A.A.,red.; KONTOROVICH, A.I., tekhn. red.

[Marine steam and gas turbines;designs] Sudovye parovye i gazovye turbiny; konstruktsii. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl. Vol. 1. [Turbine units; turbines] Turboagregaty; Turbiny. 1958. 303 p. (MIRA 11:12)

(Marine engines)
(Turbines)

SHIMANSKIY, Yu.A., akademik, red.; SLEPOV, B.I., red.; LOKSHIN, A.Z., red.; TAUBIN, G.O., red.; CHUVIKOVSKIY, G.S., red.; CHUVIKOVSKIY, V.S., red.; LUCHINNIKOV, S.T., otv.red.; OSVENSKAYA, A.A., red.; KONOPOVICH, A.I., tekhn.red.

[Handbook on structural mechanics of ships] Spravochnik po stroitel'noi mekhanike korablia. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl. Vol.2. 1958. 528 p. (MIRA 12:1)
(Shipbuilding) (Strains and stresses)

BAZILEVSKIY, Sergey Aleksandrovich; ASHIK, V.V., prof., doktor tekhn. nauk, retsenzent; VAKS, A.I., inzh., retsenzent; REYNOV, M.N., nauchn. red.; OSVENSKAYA, A.A., red.; KRYAKOVA, D.M., tekhn. red.

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BELKIN, Vasiliy Pavlovich; SLEPOV, B.I., otvetstvennyy redaktor; OSVENSKAYA, A.A., redaktor; KONTOROVICH, A.I., tekhnicheskiy redaktor

[Behavior of deck plating after buckling] Rabota elementov palubnykh perekrytii posle poteri ustoichivosti. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshlennosti, 1956. 286 p. (MLRA 10:3)
(Elastic plates and shells) (Ships)

SEMENOV-TYAN-SHANSKIY, Vladimir Venieminovich. Prinimal uchastiye GLOTOV, V.K., kand.tekhn.nauk; FIRSOV, G.A., nauchnyy red.; OSVENSKAYA, A.A., red.; FRUMKIN, P.S., tekhn.red.

[Statics and dynamics of ships; buoyancy, stability, and launching theories] Statika i dinamika korablia; teoriia plavuchesti, ostoichivosti i spuska. Izd.2., perer. i dop. Leningrad, Gos.soiuznoe izd-vo sudostroit.promyshl., 1960. 576 p. (MIRA 14:2)

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(Naval architecture)
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BEL'GOVA, M.A.; BOYTSOV, G.V.; KANFOR, S.S.; KOROTKIN, Ya.I.; KUZOVENKOV, B.P.; MAKSIMADZHI, A.I.; NEBYLOV, V.M.; SBOROVSKIY, A.K.; TAUBIN, G.O.; FILIPPZO, M.V.; CHUVIKOVSKIY, G.S.; SHIMANSKIY, Yu.A., akademik, red.; LUCHININOV, S.T., otv.red.; OSVENSKAYA, A.A., red.; KONTOROVICH, A.I., tekhn.red.

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RUSSO, Vladimir Leonidovich; PETROV, G.L., otvetstvennyy redaktor; OSVENSKAYA, A.A., redaktor; FRUMKIN, P.S., tekhnicheskiy redaktor

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GORYUNOV, Vasiliy Aleksandrovich; LUK'YANOV, P.G., otvetstvennyy redaktor; OSVENSKAYA, A.A., redaktor; GRUMKIN, P.S., tekhnicheskiy redaktor

[Hull assembling operations] Korpusosborochnye raboty. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1956. 186 p. (Hulls (Naval architecture)) (MLRA 9:10)

TOMAKOV, Andrey [illegible]; [illegible], kand. [illegible]
nauk, retsenzent; [illegible], [illegible], retsenzent;
YEGOROV, S.A.; [illegible] red.; GOVENSKAYA, A.A., [illegible]

[Submarine transport boats] Podvodnye transportnye [illegible]
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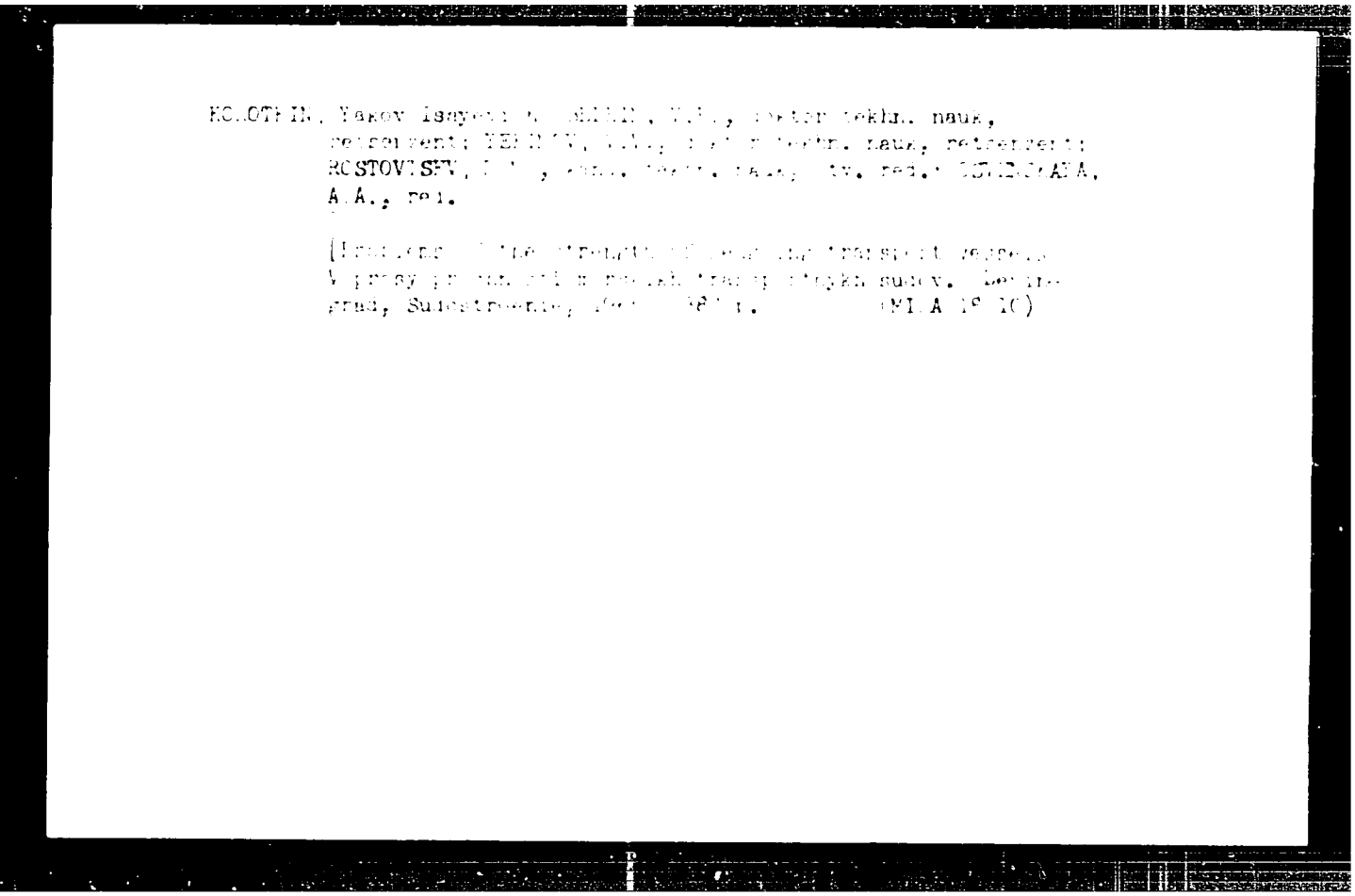
YEGOROV, Ivan Timofeyevich; SOKOLOV, Vitaliy Timofeyevich; VOYTKUNSKIY, Ya.I., kand. tekhn. nauk, retsenzent; SELYUZHONOK, Ye.F., kand. tekhn. nauk, retsenzent; RUSETSKIY, A.A., kand. tekhn. nauk, nauchn. red.; OSVENSKAYA, A.A., red.

[Hydrodynamics of high-speed vessels] Gidrodinamika bystrokhodnykh sudov. Leningrad, Sudostroenie, 1965. 383 p. (MIRA 18:6)

LEONT'YEV, Valerian Markovich; FROLOV, Nikolay Fedorovich; POPILOV, L.Ya., inzh., retsenzent; SOKOLOV, V.F., kand. tekhn. nauk, nauchn. red.; OSVENSKAYA, A.A., red.

[Shipbuilding materials] Sudostroitel'nye materialy. Leningrad, Sudostroenie, 1965. 186 p. (MIRA 18:8)



OSVENSKIY, B.A., dotsent, kand.tekhn.nauk

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(Building, Wooden)

GOVENDNIY, F. A. Docent Cand. Tech. Sci.

Dissertation: "Experimental and theoretical investigations of wood construction using pillars." 7 Feb 47

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SO Vechernyaya Moskva
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Initial stage of the deformation of gallium arsenide single crystals. Izv. AN SSSR. Neorg. mat. 1 no.11:1898-1900 N '65. (MIRA 18:12)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut redkometallicheskoy promyshlennosti, Moskva. Submitted February 2, 1965.

LIVSHITS, B.G. (Moskva) OSVENSKIY, V.B. (Moskva)

Investigating structural transformations in nickel-chromium-niobium alloys. Izv. AN SSSR Otd. tekh. nauk. Met. i topl. no.1:139-146 Ja-F '62. (MIRA 15:2)
(Nickel-chromium-niobium alloys--Metallography)
(Phase rule and equilibrium)

L 32044-66 EWT(m)/EWP(w)/T/EWP(t)/ETI IJP(c) JD

ACC NR: AP6013336 SOURCE CODE: UR/0363/66/002/004/0585/0588

AUTHOR: Mil'vidskiy, M.G.; Osvenskiy, V.B.; Stolyarov, O.G.

ORG: Giredmet

TITLE: Effect of doping on the creep of single-crystal silicon

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 4, 1966, 585-588

TOPIC TAGS: silicon single crystal, creep

ABSTRACT: The creep of single-crystal silicon was studied on dislocation-free and doped samples grown by Czochralski's method. The initial period of creep corresponding to the diffusional displacement of the dislocation nucleus is adequately described by a cubic parabola in both types of samples. Moreover, an exponential dependence of the initial period of creep and rate of steady creep on the magnitude of the applied stress is observed. The creep of single-crystal silicon doped with a donor impurity is higher, and that of silicon doped with an acceptor impurity is lower than the creep of pure single-crystal silicon. When pure and doped samples of single-crystal silicon are loaded a second time, their creep increases. A decrease of the initial period of creep and increase of the rate of steady creep are observed. The authors thank V.V. Khongulov for

Card 1/2 UDC: 546.48

L 32044-66

ACC NR: AP6013336

assistance in the work. Orig. art. has: 4 fig., 1 table, and 3 formulas.

SUB CODE: 11, 20 / SUBM DATE: 14Sep65 / ORIG REF: 005 / OTH REF: 013

Card 2/2

L 32052-66 EWT(l)/EWT(m)/T/EWP(t)/ETI IJP(c) JD/JG/AT

ACC NR: AP6013342 SOURCE CODE: UR/0363/66/002/004/0636/0642

AUTHOR: Vekilov, Yu. Kh.; Mil'vidskiy, M.G.; Osvenskiy, V.B.; Stolyarov, O.G.; Kholodnyy, L.P.

ORG: Giredmet

TITLE: Effect of doping and illumination on the microhardness of semiconductor single crystals

SOURCE: AN SSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 4, 1966, 636-642

TOPIC TAGS: gallium arsenide, hardness, semiconductor single crystal

ABSTRACT: The microhardness of n- and p-type GaAs single crystals was studied as a function of the carrier concentration, illumination with white light, crystallographic orientation, and magnitude of the load on the indenter. It was shown that doping of GaAs with a donor or acceptor impurity causes a decrease in microhardness, as in the case of Si and Ge. It was established that both the concentration effect and the illumination effect in the semiconductor single crystals studied are surface effects and are observed to a depth of a few microns. The results are explained by the peculiar properties of the surface of semiconductors and are attributed to the presence in the transition layer of

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L 32052-66

ACC NR: AP6013342

an electric field perpendicular to the surface. It was established that the length of the prongs of dislocation "rosettes" formed around the imprints increases when donor and acceptor admixtures are used in doping, this being in accord with the concentration effect of decrease in microhardness. Although the explanation of the observed effects is not always unambiguous (because of the complexity of the phenomena), the method of microhardness measurement may be used to study the surface properties of semiconductors. Orig. art. has: 6 figures and 1 table.

SUB CODE: 11, 20 / SUBM DATE: 27Jul65 / ORIG REF: 010 / OTH REF: 003

Card 2/2

L 45958-66 EWT(m)/T/EWP(t)/ETI IJP(c) JD

ACC NR: AP6015477 SOURCE CODE: UR/0181/66/008/005/1539/1544

AUTHOR: Sazhin, N. P.; Mil'vidskiy, M. G.; Osvenskiy, V. B.; Stolyarov, O. G.

ORG: State Scientific-Research and Design Institute of the Rare Metals Industry, Moscow (Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut redkometallicheskoy promyshlennosti)

TITLE: The influence of alloying on the plastic deformation of gallium arsenide single crystals

SOURCE: Fizika tverdogo tela, v. 8, no. 5, 1966, 1539-1544

TOPIC TAGS: acceptor, plastic deformation, alloying, gallium arsenide crystal, electron donor, single crystal structure, crystal dislocation

ABSTRACT: The authors investigate the influence of alloying by donor and acceptor admixtures on the behavior of GaAs during plastic deformation. The single crystals were obtained by the method of oriented crystallization and had the properties indicated in Table 1. An analysis of the results obtained shows that it is necessary to take into consideration several factors. These include the elastic and the electrical interaction of the dislocations with the admixtures, the possible structure of dislocations which determine their mobility, the interaction of the dislocations with the vacancies, and the influence of the admixtures on the equilibrium concentration

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Table 1

Properties of GaAs Crystals

Type of Conductivity	Alloying Admixture	Concentration of Current Carriers, cm^{-3}
n	—	$6.0 \cdot 10^{16}$
n	Te	$1.7 \cdot 10^{17}$
n	Te	$7.0 \cdot 10^{17}$
n	Te	$1.6 \cdot 10^{18}$
n	Te	$6.8 \cdot 10^{18}$
p	Zn	$1.0 \cdot 10^{18}$
p	Zn	$1.2 \cdot 10^{19}$

of charged vacancies. The last two factors, apparently, play the determining role in the determination of the influence of the donor and the acceptor admixtures on the mechanical properties of elementary semiconductors. However, in the case of semiconductive compounds the influence of the concentration of vacancies on the motion of dislocations is not determining, whereas the mobility of dislocations is primarily determined by their structure and interaction with the admixtures. The authors express their gratitude to V. I. Nikitenko for discussing the results and for his comments. Orig. art. has: 3 figures, 2 formulas, and 2 tables.

SUB CODE: 20/ SUBM DATE: 05Jul65/ ORIG REF: 007/ OTH REF: 013

L 06120-67 EWT(1)/EWP(t)/ETI IJP(c) JD/GG
ACC NR: AP6030763 (A) SOURCE CODE: UR/0363/66/002/009/1549/1553

AUTHOR: Grishina, S. P.; Mil'vidskiy, M. G.; Osvenskiy, V. B.

ORG: Giredmet

TITLE: Procedure for detecting dislocations by etching single crystals of gallium arsenide

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 9, 1966, 1549-1553

TOPIC TAGS: gallium arsenide, etched crystal, metal etching

ABSTRACT: Richards-Crocker etchant was used to detect characteristic etch pits on the (111) surface of gallium arsenide by successive applications. These experiments and experiments on the plastic deformation of crystals demonstrate that the etch pits correspond to the outcrop sites of the dislocations. On the (110) plane, this etchant leads to polishing and not to selective etching. An etchant consisting of $HF:HNO_3:H_2O = 1:7:12+1\cdot10^{-2}$ molar solution of $AgNO_3$ was used for selective etching as well as for the detection of dislocations. Orig. art. has: 6 figures, 2 formulas.

SUB CODE: 20, 11/ SUBM DATE: 07Dec65/ ORIG REF: 001/ OTH REF: 007

UDC: 546.681'191 : 548.55 : 551.243

Card 1/1

18(7)

AUTHORS: Avraamov, Yu. S., Gavenskiy, V. B. SOV/163-58-4-27/47

TITLE: On the Problem of Structural Changes in Fe-Ni-Mo Alloys (K voprosu o prirode strukturnykh prevrashcheniy v splavakh Fe-Ni-Mo)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Metallurgiya, 1958, Nr 4, pp 162-168 (USSR)

ABSTRACT: On account of measurements of the electric resistance, the hardness and the temperature dependence of magnetic saturation, the nature of phase conversions in Fe-Ni-Mo alloys was clarified, and the critical interval of phase conversions was specified for these alloys. The possibility is shown here to examine the kinetics of the phase conversion process after the shift of the point of inflection on the curve for the temperature dependence of the magnetic saturation. For determining the temperature interval of conversions taking place in the binary Fe-Ni alloy and in Mo-alloys, the electric resistance in heating and cooling wire specimens of 3 mm was measured on a potentiometer installation. On account of the investigation made here, the influence of Mo on the processes taking place in the alloys examined is explained as follows.

Card 1/2

On the Problem of Structural Changes in Fe-Ni-Mo Alloys SOV/163-58-4-27/47

In the binary Fe-Ni alloy, the formation of the superstructure Ni_3Fe occurs in annealing in the critical temperature interval. Introduction of a small quantity of molybdenum into the alloy leads to the formation of zones of the Gin'ye-Preston type with Mo-atoms. Formation of these zones prevents ordering in the alloy. In case of small quantities of molybdenum, however, the ordering process is not eliminated. In case of a further increase of the molybdenum content in the alloy (over 1 %) the resulting zones suppress more and more the ordering process. The alloy with 1 % Mo may be regarded as a limit only in the sense that this alloy separates the alloys with opposite effects of the electric resistance change in annealing. There are 4 figures, 1 table, and 8 references, 3 of which are Soviet.

ASSOCIATION: Moskovskiy institut stali (Moscow Steel Institute)

SUBMITTED: October 26, 1957

Card 2/2

DREYZENSHTOK, Zundel' Borisovich; OKERBLOM, N.O., prof., doktor tekhn. nauk, nauchnyy red.; KAYNOV, Yu.D., retsenzent; SAGALOVICH, D.N., retsenzent; OSVENSKAYA, A.A., red.; SHISHKOVA, L.M., tekhn. red.

[Organization of the welding industry] Organizatsiia svarochnogo proizvodstva. Nauchn. red. N.O.Okerblom. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1961. 94 p. (MIRA 14:12)
(Industrial organization) (Welding)

VOYTKUNSKIY, Yaroslav Iosifovich; PERSHITS, Robert Yakovlevich; TITOV, Igor' Anatol'yevich. Prinimali uchastiye: YEGOROV, I.T.; RUSETSKIY, A.A.; IVANOV, V.M.; ZHUCHENKO, M.M. KRIVTSOV, Yu.V., otv.red.; FIRSOV, G.A., otv.red.; OSVENSKAYA, A.A., red.; KONTOROVICH, A.I., tekhn.red.

[Handbook on the theory of ship construction; propulsive speed and maneuverability] Spravochnik po teorii korablia; khodkost' i upravliaemost'. Leningrad, Gos.soiuznoe izd-vo sudostroit. promyshl., 1960. 688 p. (MIRA 13:10)
(Naval architecture--Handbooks, manuals, etc.)

OSVENSKIY, V. B.

PHASE I BOOK EXPLOITATION SOV/5305

Moscow. Institut stali

Relaksatsionnyye yavleniya v metallakh i splavakh; trudy Mezhvuzovskogo soveshchaniya (Relaxation Phenomena in Metals and Alloys; Transactions of the Inter-Institute Conference) Moscow, Metallurgizdat, 1960. 325 p.

Sponsoring Agency: Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya RSFSR and Moskovskiy institut stali imeni I.V. Stalina.

Ed. (Title page): B.N. Finkel'shteyn; Ed. of Publishing House: Ye.I. Levit; Tech. Ed.: A.I. Karasev.

PURPOSE: This collection of articles is intended for personnel in scientific institutions and schools of higher education and for physical metallurgists and physicists specializing in metals. It may also be useful to students of these fields.

COVERAGE: The collection contains results of experimental and theoretical investigations carried out by schools of higher education and scientific research institutions in the field of the relaxation phenomena in metals and alloys. Several articles are devoted to the investigation—by the internal-friction method—of the decomposition of supersaturated solid solutions. Also analyzed are the defects of the crystalline lattice, plastic deformations, high-temperature behavior of alloys, and creep. Problems of the relation between internal friction and temper brittleness, the use of the method of internal friction in the investigation of powder-metallurgy products, and the mechanism of impact fatigue are discussed. The collection also contains articles on the damping characteristics of materials, elastic after-effect, and the new alpha-detection method. No personalities are mentioned. References follow most articles. There are 365 references: 192 Soviet and 173 non-Soviet.

Card 2/

L 64766-65 EWT(1)/EWT(m)/EWA(h)/EWA(c)/T/EWP(b)/EWP(t) IJP(c) GG/AT/JD
ACCESSION NR: AP5022171 UR/0032/65/031/009/1095/1096
621.315.592

AUTHOR: Berkova, A. V.; Mil'vidskiy, M. G.; Osvenskiy, V. B.

TITLE: Detection of nonuniform distribution of impurities in gallium arsenide crystals

SOURCE: Zavodskaya laboratoriya, v. 31, no. 9, 1965, 1095-1096

TOPIC TAGS: semiconductor single crystal, gallium arsenide, single crystal growth, crystal impurity, etched crystal, impurity segregation, segregation detection, growth striae detection, anodic etching

ABSTRACT: An anodic etching technique has been proposed to reveal impurity segregation patterns in gallium arsenide single crystals grown either by oriented crystallization or by the Czochralski pulling technique. Thus far no reliable technique has been available for control of the uniformity of impurity distribution in the bulk of the crystal. Two etching solutions, 1:1 H_2SO_4 or saturated $(NH_4)_2S_2O_8$, were used as electrolytes. The operating conditions (anodic current density and time) were optimized in both electrolytes using n-type GaAs crystals with 5×10^{16} to 6×10^{18} cm^{-3} carrier concentrations. The optimum conditions varied widely depending

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L 64766-65
ACCESSION NR: AP5022171 3

on carrier concentration. After etching in 1:1 H_2SO_4 solution, a chemical treatment in polishing acid mixtures was required to remove a thick anodic film which interfered with observation of the etch patterns. The anodic etching technique revealed so-called "growth striae" in the GaAs crystals grown by either one of the two techniques. The "growth striae" show the patterns of impurity distribution in the bulk of the crystal. These patterns make it possible to evaluate the form of the crystallization front at any moment of the growth process. Orig. art. has: 1 figure and 1 table. [JK]

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut redkometallicheskoy promyshlennosti (State Design and Planning Scientific Research Institute of the Rare Metals Industry)

SUBMITTED: 00 ENCL: 00 SUB CODE: SS

NO REF SOV: 001 OTHER: 001 ATD PRESS: 4050

Card 2/2

L 7907-66 EWT(m)/T/EWP(t)/EWP(k)/EWP(b)/EWA(c) IJP(c) JD/HW
ACC NR: AP5025776 SOURCE CODE: UR/0363/65/001/009/1449/1453

AUTHOR: Mil'vidskiy, M. G.; Osvenskiy, V. B.; Stolyarov, O. G.

ORG: Giredmet

TITLE: The effect of impurities on the plastic deformation of single crystals of silicon

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 9, 1965, 1449-1453

TOPIC TAGS: silicon single crystal, plastic deformation, crystal impurity, activation energy

ABSTRACT: The investigations were made on single crystals of silicon without dislocations, grown by the Czochralski method. The pure single crystals had an impurity concentration of $5 \times 10^{14}/cm^3$; those alloyed with arsenic, $4 \times 10^{19}/cm^3$; and those with aluminum, $5 \times 10^{17}/cm^3$. The temperature dependence of the upper yield point of these crystals was investigated at a constant relative deformation velocity $v_0 = 6.5 \times 10^{-4}$ sec. An exponential relation of the following form was found:

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L 7907-66

ACC NR: AP5025776

$$v_0 = B\sigma^n \exp\left(-\frac{U}{kT}\right),$$

where v_0 is the relative deformation velocity; B and n are constants; U is the activation energy of the process; k is the Boltzmann constant. The article gives a curve showing the dependence of the upper yield point of the crystals on the relative deformation velocity, at a constant temperature of 825 C. It follows from the experimental results that alloying with a donor impurity decreases the activation energy and somewhat increases the constant n, while an acceptor impurity has the opposite effect. The effect of donor and acceptor impurities on the plastic deformation of single crystals of silicon can be explained by the change in the equilibrium concentration of vacancies in alloying; this causes a p-type electron reaction within the semicondutors. Orig. art. has: 6 formulas, 2 figures, and 1 table

SUB CODE: SS, MM, IC/ SUBM DATE: 17Mar65/ ORIG REF: 003/ OTH REF:018

nw

Card 2/2

L 10855-66 EWT(m)/T/EWP(t)/EWP(b)/EWA(c) IJP(c) JD/GG

ACC NR: AP5028719 SOURCE CODE: UR/0363/65/001/011/1898/1900

44,55 44,55 44,55

AUTHOR: Mil'vidskiy, M. G.; Osvenskiy, V. B.; Stolyarov, O. G.

44,55

ORG: Giredmet

TITLE: Study of the initial stage of deformation of gallium arsenide single crystals

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 11, 1965, 1898-1900

21,44,55

TOPIC TAGS: gallium arsenide, crystal deformation, yield stress, crystal dislocation, tellurium

ABSTRACT: A study was made of the behavior of n-type GaAs single crystals subjected to a uniaxial compression in the <111> direction at a constant rate, and the dependence of the "yield point jog" of the compression curves on the temperature and deformation rate was investigated. All the crystals were doped with tellurium to a carrier concentration of 6×10^{16} cm^{-3}, and the deformation was carried out on a relaxometer in spectroscopically pure helium at 410-450°C. The temperature-time dependence of the upper yield point of GaAs was found to be in good agreement with the kinetic theory of dislocations. The activation energy of motion of dislocations U and the kinetic constant n for GaAs were determined. The value of U is approximately 1.6 ev, which is less than the corresponding values for silicon and germanium. It is concluded

Card 1/2 UDC: 548.681'193:548.55

L 10855-66

ACC NR: AP5028719

ed that impurities affect the plastic properties of the crystals, particularly the "yield point jog." Orig. art. has: 2 figures.

SUB CODE: 20,11/ 07/ SUBM DATE: 22Feb63/ ORIG REF: 004/ OTH REF: 006

HW

Card 2/2

L 9575-66 EWT(l)/EWT(m)/ETC/EPF(n)-2/EWG(m)/T/EWP(t)/EWP(b) IJP(c) JD/AT

ACC NR: AP5027444 SOURCE CODE: UR/0181/65/007/011/3448/3450

AUTHOR: Mil'vidskiy, M. G.; Osvenskiy, V. B.; Rashevskaya, Ye. P.; Yugova, T. G.

ORG: State Design and Planning Scientific Research Institute of the Rare Metals Industry, Moscow (Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut redkometallicheskoy promyshlennosti)

TITLE: Investigation of the infrared absorption spectrum of n-type gallium arsenide

SOURCE: Fizika tverdogo tela, v. 7, no. 11, 1965, 3448-3450

TOPIC TAGS: gallium arsenide, IR spectrum, semiconductor band structure

ABSTRACT: GaAs is doped with tellurium to study the effect which this has on its infrared absorption and reflection and data are obtained on the band structure and effective mass of electrons. Curves are given for the coefficient of absorption as a function of wavelength at room temperature for specimens with various carrier concentrations. These curves show the following common characteristics: 1) a sharp increase in the coefficient of absorption with a reduction in wavelength between 0.9 and 1.5 μ; 2) a smooth increase in absorption with wavelength above 4 μ; 3) a plateau between 1.5 and 4 μ. Theoretical explanations are given for these effects. The Spitzer-Fan method was used to calculate the masses of electrons at the absolute minimum in the conduction band on the basis of the data obtained in this work. The re-

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L 9575-66

ACC NR: AP5027444

sults are tabulated. The effective mass increases with impurity concentration. Orig. art. has: 2 figures, 2 tables, 1 formula.

SUB CODE: 20/ SUBM DATE: 08May65/ ORIG REF: 001/ OTH REF: 007

Card 2/2

L 9660-66 EWT(l)/EWT(m)/T/EWP(t)/EWP(b)/EWA(c) LIP(c) JD/GG
ACC NR: AP5027447 SOURCE CODE: UR/0181/65/007/011/3454/3458

AUTHOR: Mil'vidskiy, M. G.; Osvenskiy, V. B.; Yugova, T. G.

ORG: State Design and Planning Scientific Research Institute of the Rare Metals Industry, Moscow (Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut redkometallicheskoy promyshlennosti)

TITLE: Decoration of dislocations in gallium arsenide crystals

SOURCE: Fizika tverdogo tela, v. 7, no. 11, 1965, 3454-3458

TOPIC TAGS: gallium arsenide, single crystal, crystal dislocation

ABSTRACT: A method is developed for decorating dislocations in GaAs single crystals. The specimens were n-GaAs single crystals grown by directional crystallization with a carrier concentration of 10^{16}-10^{17} cm^{-3}, and a dislocation density of $\sim 10^{4}$ cm^{-2}. Copper was used as the decorating impurity. The copper was electrolytically plated on both surfaces of GaAs plates ~1 mm thick. The specimens were diffusion annealed in helium for 2.5-3 hours at 1000°C. Various cooling conditions were tried and the specimens were then observed under an infrared microscope. The results are tabulated. None of these methods of heat treatment seems to have any effect on the quality and distribution of dislocations in the specimen. The proposed method of saturation was found to be sufficient to produce supersaturated solid solutions in the crystals.

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L 9660-66
ACC NR: AP5027447

Copper is precipitated at dislocations only at temperatures of 800°C and higher. Therefore, the dislocations are decorated only when the specimen is held for a sufficient time in this temperature range during continuous cooling or isothermal holding. Photomicrographs of decorated dislocations are shown. The best results are produced by slow cooling to 800°C with subsequent quenching in water. Orig. art. has: 1 figure, 1 table.

SUB CODE: 20/ SUBM DATE: 14Jun65/ ORIG REF: 000/ OTH REF: 006

Card 2/2

MIL'VIDSKIY, M.G.; OSVENSKIY, V.B.; STOLYAROV, O.G.; SHLYAKOVA, D.B.

Dependence of the microhardness of single crystals of silicon on the density of dislocations and the concentration of impurities. Fiz. met. i metalloved. 20 no.1:150-151 Jl '65. (MIRA 18:11)

1. Nauchno-issledovatel'skiy i proyektnyy institut redkometallicheskoy promyshlennosti, Moskva.

S/180/62/000/001/010/014
E026/E135

18.1750

AUTHORS: Livshits, B.G., and Osyenskiy, V.B. (Moscow)

TITLE: Study of structural transformations in Ni-Cr-Nb alloys

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye tekhnicheskikh nauk. Metallurgiya i toplivo, no.1, 1962, 139-146

TEXT: Structural transformations in Ni-Cr-Nb alloys with a Nb content above the limit of its solubility in an Ni-base solid solution have been studied in four alloys containing 9.53-10.50% Cr; 4.82, 7.85, 10.80 and 12.54% Nb; 0.018-0.23% C; remainder Ni, by means of electrical resistivity, hot hardness, microstructure and lattice parameter measurements. Two distinct processes are found to occur; firstly, formation of the K-state (in the 400 to 800 °C range), and secondly, precipitation of the Ni_3Nb phase from the solid solution (in the 700 to 1000 °C range). K-state formation is shown by resistivity maxima at temperatures ranging from 550 to 625 °C for alloys containing from 5-11% Nb.

Card 1/2

BOKSHTEYN, S.Z., doktor tekhn.nauk; KISHKIN, S.T., doktor tekhn.nauk; OSVENSKIY, V.B., inzh.

Effect of polymorphic transformations on diffusion in titanium. Metalloved.i term.obr.met. no.6:21-26 Je '60. (MIRA 13:7)
(Titanium alloys--Metallography)
(Metals, Effect of temperature on)

AUTHORS: Avraamov, Yu. S., Livshits, Z. T., Osvenskiy, V. B. SOV/48-22-10-19/23

TITLE: Modification of Structural Transformations in Permalloy During Alloying With Molybdenum (Izmeneniye strukturnykh prevrashcheniy v permalloye pri legirovanii molibdenom)

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1958, Vol 22, Nr 10, pp 1263 - 1268 (USSR)

ABSTRACT: On the basis of measurements of the electric resistance, of the strength, of the temperature dependence of the internal friction, and of the saturation magnetization in the present paper the nature of the structural transformations in Fe-Ni-Mo alloys was explained and the critical temperature range was exactly defined. The examined alloys are listed in the table. The information collected permits to draw the following conclusions: In the hardened solid alloy the molybdenum atoms are in the free state. For this reason under the influence of the external strains a coordination takes place without hindrance, i.e. a new orientation of the atom-pairs of molybdenum (according to the model by Siner). When the alloy is worked unto the K-state, zones

Card 1/3

(of the type of the Guinet (Gin'ye) - Preston zones) containing the molybdenum atoms are formed. The alloy behaves as if an intraphase separation had taken place in it. The molybdenum atoms in this case are no longer in the free state and therefore cannot participate in the coordination under the action of a strain. Therefore the maximum of the internal friction initially decreases and in the case of a protracted tempering completely disappears. The measurements of the internal friction showed that the molybdenum atoms in the case of the formation of the K-state apparently are removed from the solid solution. This fact proves that in solid solutions during the process of tempering zones are forming which contain the molybdenum atoms and which in their composition differ from the basic solid solution. The investigation of the temperature dependence of Young's modulus in Fe-Ni-Mo alloys showed that this modulus increases when the K-state forms. There are 5 figures, 1 table, and 11 references, 7 of which are Soviet.

Modification of Structural Transformations in Permalloy During Alloying With Molybdenum SOV/48-22-10-19/23

ASSOCIATION: Laboratoriya metallografii Moskovskogo instituta stali imeni I. V. Stalina (Laboratory of Metallography of the Moscow Institute of Steel imeni I. V. Stalin)

Card 3/3

BAZYLEVA, N.N., BOLOTKINA, L.I., LASKINA, Ye.M., OSVETIMSKAYA, N.P., SMIRNOVA, L.I.

Pharmacological and biological characteristics of Inonotus obliquus.
Farm. i toks. 21 no.5:89-90 S-O '58 (MIRA 11:11)

1. Kafedra fakul'tetskoy terapii (zav. - prof. P.N. Stepanova) Smolenskogo meditsinskogo instituta.
(FUNGI,
Inonotus obliquus extract, pharmacol. (Rus))

OSVETIMSKIY, A.A., inzh.

Essential improvement of the organization of equipment repair.
Mashinostroitel' no.2:43-45 F '59. (MIRA 12:2)
(Industrial equipment--Maintenance and repair)

25(5,7)
AUTHOR: Ovsyannikov, [illegible], Engineer

TITLE: The Organization of Equipment Repairs Must Be Radically Improved (Korennym obrazom ulichshit' organizatsiyu remonta oborudovaniya)

PERIODICAL: Mashinostroitel', 1959, Nr 2, pp 43-4[illegible] (USSR)

ABSTRACT: The author emphasizes the importance of a well-organized repair of equipment. He points to serious shortcomings and recommends the setting up of special repair plants and specialized repair shops. With exception of the Moskovskiy avtomobil'nyy zavod imeni Likhachev (Moscow Auto Plant) imeni Likhachev which has special repair equipment, thousands of other plants, including such as the Uralmash, the Leningradskiy metallicheskiy zavod (Leningrad Metal Working Plant), the Novo-Kramatorskiy plant, perform repair of equipment by obsolete methods, on regular equipment, with up to 70% of the work being done by manual labor. Dispersion of repair work does not allow the use of

Card 1/2

SOV/[illegible]

The Organization of Equipment Repairs Must Be Radically Improved

modern technology, a low degree of mechanization and modern work methods. The cost of production of new wheels in repair plants is 10 times higher than in specialized plants. The repair of the screw machine 1D62 by the Novo-Kramatorsk repair plant cost 17,000 rubles, whereas a new machine cost only 2,400 rubles. The overhaul of screw machine 1D62 in the Staro-Kramatorskiy Plant consumed 810 norm-hours, whereas the production of one such new machine by a specialized plant needs only 200 norm-hours. The author praises the specialization of equipment repair introduced in the USR.

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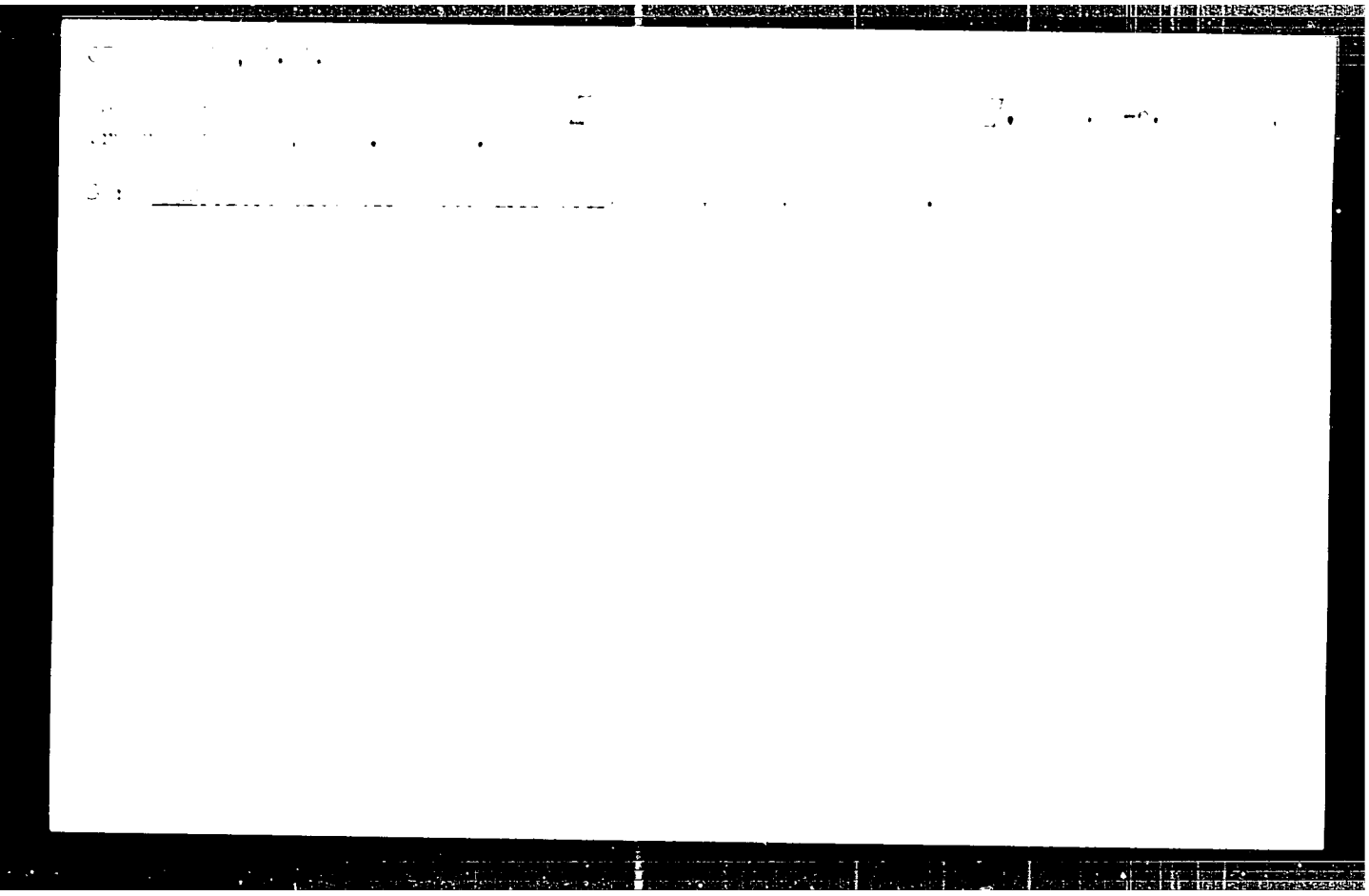

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